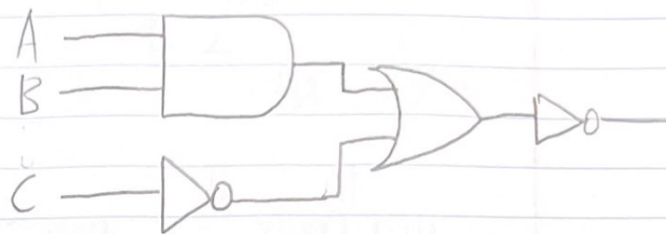


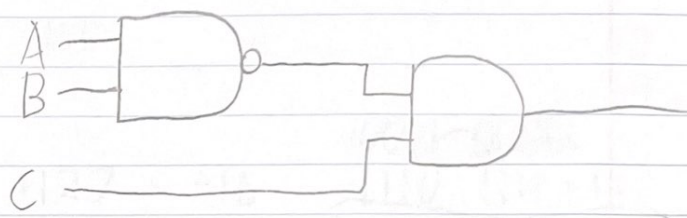
①  $\neg[(A \wedge B) \vee (\neg C)]$

A	B	C	
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	0
1	1	1	0



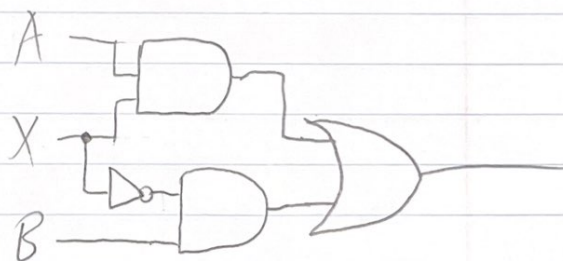
②  $\neg(A \wedge B) \wedge C$

A	B	C	Out
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	0
1	1	1	0



③  $(A \wedge X) \vee (B \wedge \neg X)$

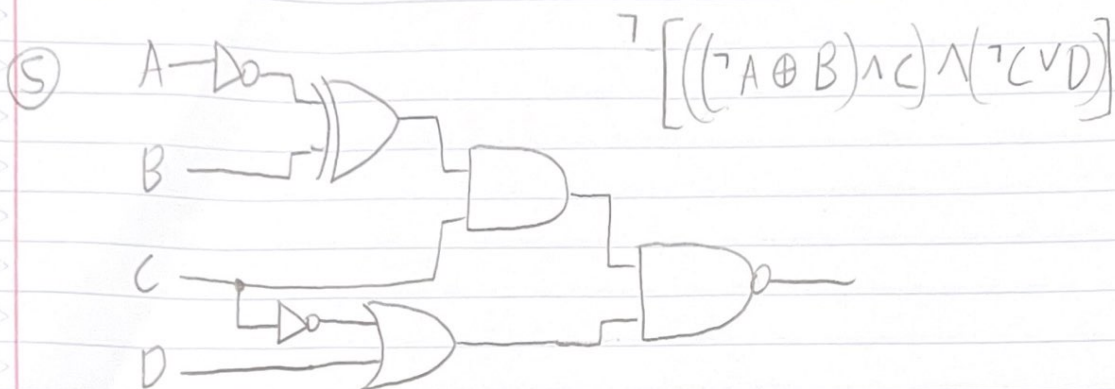
A	X	B	Out
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	1



④

A	B	NOR	AND
0	0	1	0
0	1	0	0
1	0	0	0
1	1	0	1

NOR  $\neq$  AND



A	B	C	D	Out
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	0
0	1	0	0	1
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	0